

CorrosionRADAR CR:SR CUI MONITORING SYSTEM

NO INSULATION
REMOVAL NEEDED

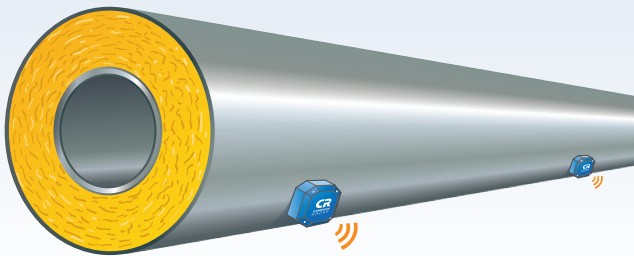


TARGETED CUI RISK INTELLIGENCE – POWERED BY CR:CLARITY

Turn CUI data into confident decisions between inspections, without insulation removal

CR:SR

CR:SR is a data-driven CUI risk intelligence Sensor Solution that delivers actionable insight through the **CR:CLARITY** analytics platform.



Sensor Type

Corrosion, Moisture,
Temperature, Humidity



Communications

Wireless LoRa



The **CR:SR Sensor Solution** is designed for access-constrained, insulated assets, enabling operators to understand and manage CUI risk between inspection campaigns that may be 5-10 years apart.



CUI risk does not wait for the next inspection window.

Traditionally, between inspection campaigns, integrity teams are forced to rely on assumptions, historical data, or conservative decision-making.

CR:SR fills the data gap operators experience, enabling teams to:

- Monitor CUI risk between inspections
- Identify developing high-risk locations early
- Prioritise inspection scope with confidence
- Avoid unnecessary insulation removal
- Make faster, lower-risk integrity decisions

CR:SR obtains CUI-relevant data at selected locations through a controlled, non-intrusive installation approach, without removing or reinstating insulation.



CR:CLARITY

Designed for Clarity
Driven by AI

CR:SR's data is processed
through CR:CLARITY,
transforming raw
measurements into clear,
prioritised CUI risk intelligence.

FEATURES

- Sensors generate the data
- CR:CLARITY delivers the insight
- Decisions no longer wait for inspections

Key Benefits:

- Data-driven CUI decisions between inspections
- No insulation removal or re-application
- Early identification of high-risk locations
- Optimised inspection scope and spend
- Reduced operational disruption and uncertainty

Use CR:SR when:

- Inspections are years away
- Insulation cannot or should not be removed
- Risk is localised (elbows, flanges, supports, short pipe runs)
- You need data to inform the next inspection or TAR

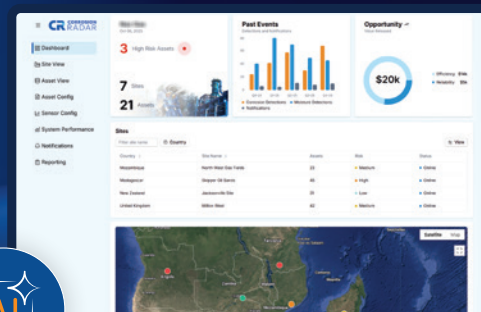
CR:CLARITY provides CUI risk visibility at three levels:

- Dashboard – Combined Data from all systems
- Site View – Understand site health
- Asset View – Identify when and where CUI risk is developing

CR:SR – Specification

ATEX/IECEX/UL Certification <i>*Coming Soon</i>	Class 1 Zone 1 / Class 1 Div 1
Ingress Protection	IP66
Power Source	Battery (5-7 years)
Communication	Wireless: LoRa
Sensor Types	Corrosion, Moisture, Humidity, Temperature
Installation	2m Intervals
Sensor Head Temperature	-40°C to +204°C (-40°F to +399.2°F)
Electronics Temperature	-40°C to +65°C (-40°F to +149°F)

END-TO-END SOLUTION
FOR RAPID SCALABILITY



CR:CLARITY
Dashboard

Our Customers



www.corrosionradar.com

